

Product datasheet for **AR09775PU-L**

TIGAR (1-270, His-tag) Human Protein

Product data:

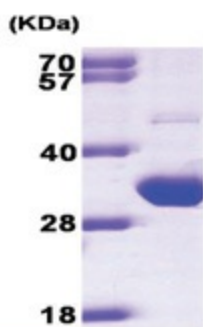
Product Type:	Recombinant Proteins
Description:	TIGAR (1-270, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH MGS</u> HMARFAL TVVRHGETRF NKEKIIQGQG VDEPLSETGF KQAAAAGIFL NNVKFTHAFS SDLMRTKQTM HGILERSKFC KDMTVKYDSR LRERKYGVE GKALSELRAM AKAAREECPV FTTPGGETLD QVKMRGIDFF EFLCQLILKE ADQKEQFSQG SPSNCLETSL AEIFPLGKNH SSKVNSDSGI PGLAASVLV SHGAYMRS LF DYFLTDLKCS LPATLSRSEL MSVTPNTGMS LFIINFEEGR EVKPTVQCIC MNLQDHLNGL TETR
Tag:	His-tag
Predicted MW:	32.6 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 2 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human TIGAR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_065108</u>
Locus ID:	57103
UniProt ID:	<u>Q9NQ88</u>
Cytogenetics:	12p13.32
Synonyms:	C12orf5; FR2BP



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Summary:

This gene is regulated as part of the p53 tumor suppressor pathway and encodes a protein with sequence similarity to the bisphosphate domain of the glycolytic enzyme that degrades fructose-2,6-bisphosphate. The protein functions by blocking glycolysis and directing the pathway into the pentose phosphate shunt. Expression of this protein also protects cells from DNA damaging reactive oxygen species and provides some protection from DNA damage-induced apoptosis. The 12p13.32 region that includes this gene is paralogous to the 11q13.3 region. [provided by RefSeq, Jul 2008]

Product images:

15% SDS-PAGE (3ug)